Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

**AP Biology Group Concept Map**

**Directions:**

* For this assignment, you will be creating a concept map using terms from throughout the year. All your terms will branch out from the main bubble “Biology” and four sub-bubbles (Evolution, Ecology, DNA, and Energy), which may be at the top or in the middle of your paper.
* From there you will branch into ALL of the terms listed at the bottom of the page. You will have MANY connections between terms, but you will label 20 of these connections with a letter (A, B, C, D, etc.) and create a separate “connections” page where you explain the connection between the two terms. These lettered connections must meet the following requirements

-They must be between terms from different units

-You cannot use the same term for more than three lettered connections

* You also need to create four numbered connections (1, 2, 3, and 4) from the “Biology” main bubble to each sub-bubble and explain how these sub-bubbles are related to biology, the study of life.
* This is a group assignment. However, if you are absent on the day we complete the concept map in class, you must complete the concept map and connections page individually.
* This assignment will count as two unit work grades for the 4th marking period

**Terms:** The following are the list of terms that you will need to include on your map, the number in parentheses next to the map represents the unit that the topic term came from. Do not include these numbers on your concept map.

Carrying Capacity (1), Trophic Level (1), Carbon Cycle (1), Phototropism (1)

Hydrogen Bonds (2), Macromolecule (2), Enzymes (2)

Cellular Respiration (3), Photosynthesis (3), CAM Plants (3)

Osmosis (4), Cell Membrane (4)

Negative Feedback (5), The Nervous System (5), The Endocrine System (5), The Immune System (5)

Mitosis (6), Meiosis (6), Cancer (6)

Mutation (7) Protein Synthesis (7)

Operon (8), Polymerase Chain Reaction (8), Apoptosis (8)

Mendel’s Laws of Inheritance (9), Nondisjunction (9), Gene Linkage (9)

Natural Selection (10), Genetic Variation (10)

Speciation (11), Universal Common Ancestor (11)